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CHANGES IN ASSIGNMENTS

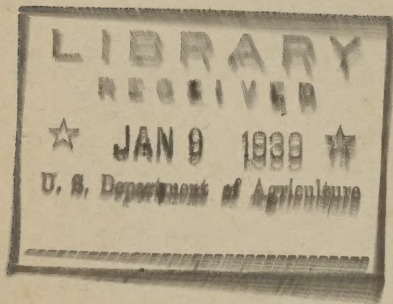
OF

# SOIL SURVEY PARTIES

FOR THE

FIELD SEASON OF 1903

AUGUST 18, 1903.





# United States Department of Agriculture,

## BUREAU OF SOILS.

### CHANGES IN THE ASSIGNMENTS OF SOIL SURVEY PARTIES FOR THE FIELD SEASON, 1903.

The following changes are made in the assignments of the soil-survey parties for the field season of 1903 to meet the exigencies of the public service, and are issued as an amendment to the assignment cards of April 1 and June 8, 1903:

**1. Bennett party.**—Mr. Bennett with Mr. Drake will survey as much as possible of Brookings County, S. Dak. On July 1 they will proceed to Parsons, Kans., to survey an area on the Parsons sheet (U. S. G. S.) east of the west boundary of Hackberry Ts. and south of the north boundary of North Ts. On or about September 1 Mr. Bennett will be transferred to Orangeburg County, S. C., to complete that area with Mr. Griffin, Mr. Mangum being transferred to the Parsons area. On October 1 Mr. Bennett and Mr. Griffin will proceed to Huntsville, Ala., and make a survey of that portion of the Huntsville sheet (U. S. G. S.) between latitude 34° 50' and the Tennessee River.

**2. F. E. Bonsteel party.**—Mr. Bonsteel with Mr. Carter will spend three months in a survey of Worcester County, Md., and on July 1 will proceed to Syracuse, N. Y., spending three months in the survey of the Syracuse and Baldwinsville sheets (U. S. G. S.). About August 20 Mr. Carter will be relieved by Mr. Ayrs, when he will report at headquarters in Washington to take charge of the Harpers Ferry, Va., area. On October 1 Mr. Bonsteel and Mr. Ayrs will go to Kent County, Del., to make a survey of the northern half of that county.

**3. J. A. Bonsteel party.**—Mr. Bonsteel with Mr. Ayrs will finish the western two-thirds of Long Island, N. Y. On the completion of this work, Mr. Bonsteel will be assigned to special work at Cornell University, Mr. Ayrs reporting to Mr. F. E. Bonsteel at Baldwinsville, N. Y.

**4. Burke party.**—Mr. Burke with Mr. Ruhlin will survey all of Scott County, Ky., all of Mason County, Ky., all of Madison County, Ind., and on October 1 they will go to Shelby County, Mo., to survey all of that county.

**5. Caine party.**—Mr. Caine will spend six months in making a survey around Fargo, N. Dak., and such other area or areas in that State as may be arranged with Prof. Daniel E. Willard, State Geologist. He will be joined on July 1 by Mr. A. E. Kocher, and prior to that time will employ a driver when necessary. On October 1 the party will proceed to Lamar County, Tex., to survey the northern half of that county.

**6. Carter party.**—Mr. Carter with Mr. W. S. Lyman will survey that portion of the Harpers Ferry sheet (U. S. G. S.) within the State of Virginia comprised within 77° 30' to 77° 50' longitude and 39° to 39° 20' north latitude.

**7. Coffey party.**—Mr. Coffey with Mr. Ely will spend nine months in Illinois surveying Sangamon, Knox, Winnebago, Johnson, and McLean counties, working in cooperation with Prof. C. G. Hopkins, who will furnish two assistants and pay their expenses. On June 16 this party will be joined by Mr. Charles J. Mann, special assistant, for three months.

**8. Fippin party.**—Mr. Fippin with Mr. M. Earl Carr will spend six months extending the survey of 1899 of the Connecticut Valley up to the Vermont boundary line, with particular reference to the valleys adjoining the area already surveyed. Upon the completion of the Connecticut Valley work, Mr. Fippin will report at headquarters in Washington for assignment to special work. Mr. M. Earl Carr will proceed to headquarters at Washington for assignment to the Fort Payne area, Alabama.

**9. Hearn party.**—Mr. Hearn with Mr. Burgess will finish the survey of the Nacogdoches and Lufkin areas, Texas, and on July 1 will go to Grand Island, Nebr., to survey the Grand Island and Wood River sheets (U. S. G. S.). This party will also survey as large an area as possible around Norfolk, Nebr., being influenced in the determination of the boundaries of the area by the sugar-beet interests at that place.

**10. Holmes party.**—Mr. Holmes with Mr. Sweet will spend five months in a survey in the San Luis Valley, Colorado. On September 1 the party will proceed to The Needles, California, where Mr. Holmes will have charge of a survey of The Needles-Yuma area, California. Mr. Holmes will be assisted in this area by Messrs. Sanchez, Marean, Neill, Sweet, Mackie, McLendon, and Strahorn.

**11. Jensen party.**—Mr. Jensen with Mr. W. W. Mackie will survey an area around Salem, Oreg., on the completion of which they will proceed to Baker City, Oreg., to survey the irrigable lands of that locality. On the completion of this latter area he will assist Mr. Neill in completing the Laramie area, reporting at headquarters in Washington about August 31 for assignment to special work, leaving Mr. Mackie with Mr. Neill.

**12. Jones party.**—Mr. Jones with Mr. M. Earl Carr about October 1 will proceed to Fort Payne, Ala., and make a survey of the northern half of the Fort Payne sheet (U. S. G. S.).

**13. J. E. Lapham party.**—Mr. Lapham with Mr. Meeker will survey the northern half of the Norfolk sheet (U. S. G. S.). On July 1 the party will proceed to Asheville, N. C., and spend the remainder of the year in a survey of the southern half of the Asheville sheet (U. S. G. S.) and so much of the Saluda sheet (U. S. G. S.) as lies within the State of North Carolina.

**14. Macy H. Lapham party.**—Mr. Lapham (employing a driver when necessary until July 1, when he will be joined by Mr. A. S. Root) will survey as much as possible of the Santa Clara Valley, California, until July 1, when the party will survey the Sacramento sheet (U. S. G. S.) spending six months in that area.

**15. Mangum party.**—Mr. Mangum with Mr. Root will survey so much of the Saluda sheet (U. S. G. S.) as lies within the State of South Carolina. On July 1 Mr. Root will be transferred to the Macy H. Lapham party, and Mr. Mangum will be joined by Mr. A. M. Griffin. The party will then proceed to Orangeburg County, S. C., to survey the northeast part of that county, the west and south boundaries of the area extending due north and due east from Orangeburg, respectively, to the county line. On or about September 1 Mr. Mangum will be transferred to the Parsons, Kans., area to complete that area with Mr. Drake, and Mr. Bennett and Mr. Griffin will complete the survey in Orangeburg County. On October 1 Mr. Mangum and Mr. Drake will proceed to Russell, Kans., and survey Ts. 14, 13, and half of 12, R. 12, 13, 14, Russell sheet (U. S. G. S.).

**16. Marean party.**—Mr. Marean with Mr. Jones will survey the whole of Story County, Iowa, and Cerro Gordo County, Iowa, spending six months in these areas. On the completion of the latter area Mr. Marean will proceed direct to The Needles, California, reporting to Mr. Holmes for service in The Needles-Yuma area. Mr. Jones at the same time will be assigned to the Fort Payne, Alabama, area.

**17. Martin party.**—Mr. Martin with Mr. E. P. Carr will survey the southern part of Clinton County, Pa. On July 1 they will proceed to Jefferson, Ashtabula County, Ohio, to survey the northern half of that county. On October 1 they will proceed to Texarkana, Miller County, Ark., to survey the whole of that county.

**18. Neill party.**—Mr. Mesmer and Mr. McLendon will complete the Los Angeles area and then proceed to Blackfoot, Idaho, to survey the irrigable lands of the Blackfoot area. Mr. Mesmer having resigned, to take effect on June 30, he will be succeeded by Mr. Neill, who with Mr. McLendon will, on completion of this area, proceed to Laramie, Wyo., to survey the irrigable lands of the Laramie area. This party will be joined during the season by Mr. Jensen and Mr. Mackie, who will assist them in the completion of the area. On October 1 the party will proceed to The Needles, California, and report to Mr. Holmes for work in The Needles-Yuma area.

**19. Rice party.**—Mr. Rice with Mr. Griswold will continue the work in Louisiana in cooperation with Dr. W. C. Stubbs and take up the Audubon Park, Baton Rouge, and southern Louisiana areas as arranged with Dr. Stubbs.

**20. Sanchez party.**—Mr. Sanchez with Mr. Neill will survey as large an area as possible of the irrigable lands around Provo City and Palmyra, Utah, working the area in from the lake back to the mountains. On July 1 Mr. Neill will assume charge of the survey in the Blackfoot, Idaho, area, relieving Mr. Mesmer; and Mr. Sanchez will be joined by Mr. A. T. Strahorn. On October 1 the party will proceed to The Needles, California, reporting to Mr. Holmes for work in The Needles-Yuma area.

**21. Smith party.**—Mr. Smith with Mr. Kocher will survey the Viroqua area, Wisconsin, embracing Ts. 13, 14, 15, 16, and part of 17, R. 3 and 4 W. On July 1 Mr. Smith will proceed to Davidson County, Tenn., where he will be joined by Mr. H. H. Bennett, and will survey the entire county. On July 1 Mr. Kocher will be assigned to the Caine party. On October 1 they will go to Newbern, N. C., to revise and complete the work of the Craven and Trent areas.

**22. Wilder party.**—Mr. Wilder with Mr. Geib will survey a portion of Lyon County, Minn., comprising Ts. 110, 111, 112, R. 41, 42. On July 1 they will proceed to Pontiac, Oakland County, Mich., to survey Ts. 1, 2, 3, R. 7, 8, 9, 10, 11. On October 1 the party will proceed to Pikeville, Tenn., to survey that portion of the Pikeville sheet (U. S. G. S.) embraced within 85° to 85° 20' longitude and 35° 30' to 35° 50' north latitude.

MILTON WHITNEY,  
*Chief of Bureau.*

WASHINGTON, D. C., August 18, 1903.



*Approximate areas to be surveyed in 1903.*

State.	Area.	Sq. Mi.	Remarks.	In charge.	
Alabama	Mobile County	1	461	Completed	Burke.
Do	Huntsville area	3	500	Part of sheet	Bennett.
Do	Fort Payne area	3	500	do	Jones.
Arizona	Gila Valley	2	108	Completed	M. H. Lapham.
Arkansas	Miller County	2	648	All of county	Martin.
California	Imperial area	2	1,084	Completed	Holmes.
Do	Indio area	2	234	do	Do.
Do	Los Angeles area	3	570	do	Mesmer.
Do	Needles area	3	1,000	Needles to Yuma	Holmes.
Do	Santa Clara area	2	315	Completed	M. H. Lapham.
Do	Sacramento area	3	1,000	All of sheet	Do.
Colorado	San Luis Valley	2	750	Completed	Holmes.
Connecticut	Connecticut Valley	3	950	Completed	Fippin.
Delaware	Kent County	1	315	North half of county	F. E. Bonsteel.
Florida	Gadsden County	2	548	Completed	Fippin.
Georgia	Fort Valley area	2	186	do	Smith.
Idaho	Blackfoot area	2	428	do	Mesmer.
Illinois	Sangamon County	1	866	do	Coffey.
Do	Knox County	1	720	do	Do.
Do	Winnebago County	1	552	All of county	Do.
Do	Johnson County	1	340	do	Do.
Do	McLean County	1	1,166	do	Do.
Indiana	Madison County	1	450	do	Burke.
Iowa	Story County	1	576	Completed	Marean.
Do	Cerro Gordo County	1	576	All of county	Do.
Kansas	Parsons area	3	308	Part of sheet	Bennett.
Do	Russell area	3	270	do	Mangum.
Kentucky	Scott County	4	280	Completed	Burke.
Do	Mason County	4	225	do	Do.
Louisiana	Ouachita area	2	605	do	Rice.
Do	Audubon Park	2	450	do	Do.
Do	Baton Rouge area	2	450	do	Do.
Do	Southern Louisiana	2	450	do	Do.
Maryland	Worcester County	3	463	Completed	F. E. Bonsteel.
Michigan	Oakland County	1	540	Part of county	Wilder.
Minnesota	Marshall area	1	233	Completed	Do.
Mississippi	McNeill area	3	198	do	Smith.
Missouri	Shelby County	4	514	All of county	Burke.
Nebraska	Grand Island area	3	463	All of two sheets	Hearn.
Do	Norfolk area	2	450	do	Do.
New York	Long Island	3	750	Completed	J. A. Bonsteel.
Do	Syracuse area	3	400	All of sheets.	F. E. Bonsteel.
North Carolina	Asheville area	3	500	Part of sheet	J. E. Lapham.
Do	Saluda area	3	620	do	Do.
Do	Craven area	3	do	Revision	Smith.
North Dakota	Fargo area	3	1,000	do	Caine.
Ohio	Ashtabula County	1	350	Completed	Martin.
Oregon	Salem area	2	284	do	Jensen.
Do	Baker City area	2	450	do	Do.
Pennsylvania	Lock Haven area	1	278	do	Martin.
South Carolina	Campobello area	3	387	do	Mangum.
Do	Orangeburg County	2	500	Part of county	Do.
South Dakota	Brookings area	1	432	Completed	Bennett.
Tennessee	Davidson County	4	508	All of county	Smith.
Do	Pikeville area	3	425	Part of sheet	Wilder.
Texas	Lamar County	2	450	Part of county	Caine.
Do	Nacogdoches areas	2	396	Completed	Hearn.
Utah	Provo area	2	350	do	Sanchez.
Virginia	Harpers Ferry area	3	425	Part of sheet	Carter.
Do	Norfolk area	3	303	Completed	J. E. Lapham.
Wisconsin	Viroqua area	1	408	do	Smith.
Wyoming	Laramie area	2	300	do	Neill.

<sup>1</sup> Print of county map will be furnished.

<sup>2</sup> Plane table survey.

<sup>3</sup> Topographic sheet.

<sup>4</sup> Plane table to be used if reliable county map can not be obtained.

*Assignment of soil survey parties, 1903.*

In charge.	Assistant.	April 1 to July 1.	July 1 to October 1.	Oct. 1 to Jan. 1.
Bennett	Drake	Brookings, S. Dak.	Parsons, Kans.	Huntsville, Ala.
Bonsteel, F. E.	Ayrs	Worcester Co., Md.	Syracuse, N. Y.	Kent Co., Del.
Bonsteel, J. A.	Ayrs	Long Island, N. Y.	Long Island, N. Y.	
Burke	Ruhlin	Scott Co., Ky.	Mason Co., Ky.	Shelby Co., Mo.
			Madison Co., Ind.	
Caine	Kocher	Fargo, N. Dak.	Fargo, N. Dak.	Lamar Co., Tex.
Carter	Lyman			Harpers Ferry, Va.
Coffey	Ely	Sangamon Co., Ill.	Knox Co., Ill.	Johnson Co., Ill.
			Winnebago Co., Ill.	McLean Co., Ill.
Fippin	Carr, M. E.	Conn. Valley	Conn. Valley	
Hearn	Burgess	Nacogdoches, Tex.	Grand Island, Nebr.	Norfolk, Nebr.
Holmes	Sweet	San Luis, Colo.	San Luis, Colo.	Needles area, Cal.
Jensen	Mackie	Salem, Oreg.	Baker City, Oreg.	
Jones	Carr, M. E.			Fort Payne, Ala.
Lapham, J. E.	Meeker	Norfolk, Va.	Asheville, N. C.	Saluda, N. C.
Lapham, M. H.	Root	Santa Clara, Cal.	Sacramento, Cal.	Sacramento, Cal.
Mangum	Griffin	Campobello, S. C.	Orangeburg, S. C.	Russell, Kans.
Marean	Jones	Story Co., Iowa	Cerro Gordo Co., Iowa	Needles, Cal.
Martin	Carr, E. P.	Clinton Co., Pa.	Ashtabula Co., Ohio	Miller Co., Ark.
Neill	McLendon	Blackfoot, Idaho.	Laramie, Wyo.	Needles area, Cal.
	Mackie		Laramie	Do.
Rice	Griswold	Audubon Park, La.	Baton Rouge, La.	Southern Louisiana.
Sanchez	Strahorn	Utah Co., Utah	Utah Co., Utah	Needles area, Cal.
Smith	Bennett, H. H.	Viroqua area, Wis.	Davidson Co., Tenn.	Newbern, N. C.
Wilder	Gelb	Lyon Co., Minn.	Oakland Co., Mich.	Pikeville, Tenn.

NOTES.—Mr. Jensen and Mr. Fippin have been recalled to headquarters for special work.

When parties are being transferred from one area to another, and it is found practicable, they will be brought in to Washington, and a few days allowed for stop-off, in order that members of parties may have an opportunity to familiarize themselves with the character of the work, and with such new laboratory methods as are being devised.

Mr. Jay A. Bonsteel has been relieved from duty in connection with the Soil Survey and by order of the Secretary has been transferred to Cornell University for the purpose of conducting a course of scientific instruction relating to soil investigations.

On Sept. 1 Mr. F. W. Taylor will be granted an indefinite leave of absence to permit him to accept the position of Professor of Agriculture at the New Hampshire State College, Durham, N. H.